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KAMRUI AK1PLUS

KAMRUI N100 Mini PC User Manual

Model: AK1PLUS

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your KAMRUI N100 Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

The KAMRUI N100 Mini PC is a compact desktop computer designed for various applications, including office tasks, home entertainment, and educational use. It features an Intel N100 processor, 12GB LPDDR5 RAM, and a 256GB M.2 SSD, offering efficient performance in a small form factor.

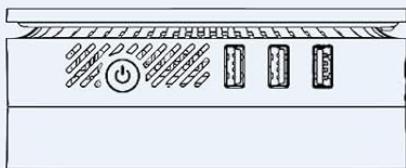
2. WHAT'S IN THE BOX

Verify that all items listed below are present in your package:

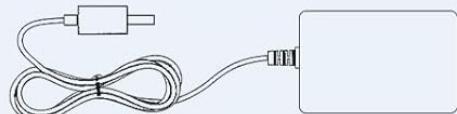
- 1 x AK1PLUS Mini PC
- 1 x Power Adapter
- 1 x HDMI Cable
- 1 x VESA Mount
- 1 x User Manual

Retail Box Packaging

Mini PC for Maximum Efficiency



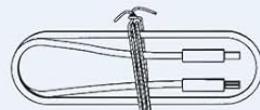
AK1PLUS Mini PC



Power Adapter&Cable



User Manual



HDMI Cable



VESA Mount with Screws

Illustration of the items included in the KAMRUI N100 Mini PC package: the Mini PC unit, power adapter, HDMI cable, VESA mount, and user manual.

3. PRODUCT OVERVIEW

3.1. Physical Appearance



The KAMRUI N100 Mini PC, showcasing its compact design and several USB ports on the front.

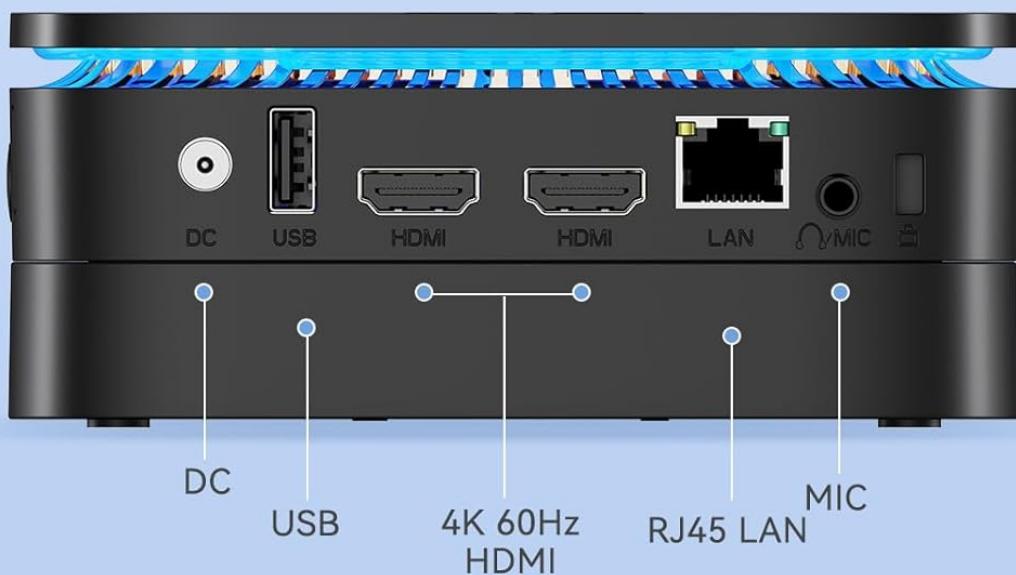
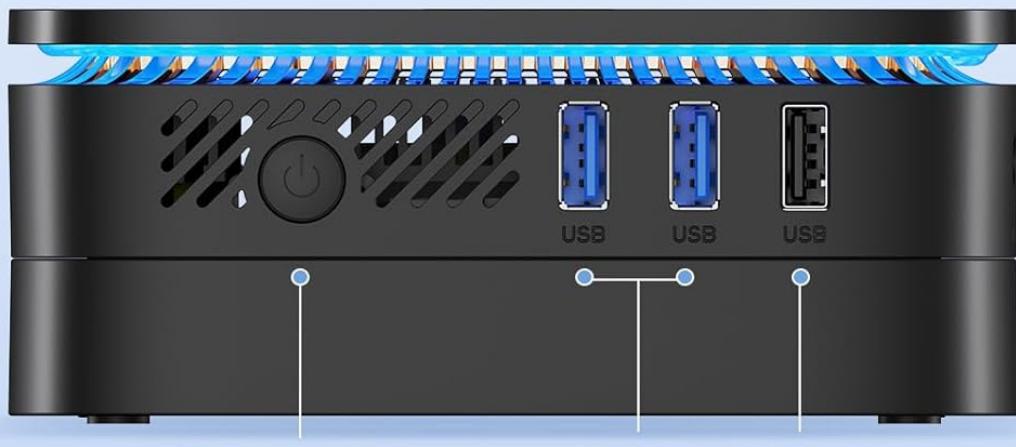
3.2. Port Layout

The KAMRUI N100 Mini PC features a comprehensive set of ports for connectivity:

- **Front Panel:** Power Button, USB 3.2 Type-A Ports, USB 2.0 Type-A Ports
- **Rear Panel:** DC Power Input, USB Type-A Port, HDMI 2.0 Ports (x2), RJ45 LAN Port, 3.5mm Audio Jack (Mic/Headphone)

Rich interface design

Connection solutions for your needs.



Detailed view of the KAMRUI N100 Mini PC's ports, including power button, USB 3.2, USB 2.0, DC power input, HDMI, RJ45 LAN, and microphone jack.

4. SETUP INSTRUCTIONS

Follow these steps to set up your KAMRUI N100 Mini PC:

- 1. Connect to a Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. The device supports dual 4K/60Hz displays.
- 2. Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.

3. **Connect to Power:** Connect the power adapter to the DC input port on the Mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the power button located on the front of the Mini PC. The device will boot up.
5. **Initial Configuration:** Follow the on-screen instructions to complete the operating system setup (e.g., Windows 11 Pro, if pre-installed). This typically involves setting up your region, language, and network connection.

4.1. VESA Mount Installation (Optional)

The Mini PC can be mounted to the back of a VESA-compatible monitor to save desk space.

1. Attach the VESA mount bracket to the back of your monitor using the appropriate screws (not always included, check monitor manual).
2. Slide the Mini PC onto the mounted bracket until it clicks securely into place.

Intel Processor N100

PCMark10 Score



IGP performance

55%

Overall Boost

36%

The KAMRUI N100 Mini PC attached to the rear of a monitor using the included VESA mount, demonstrating space-saving placement.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

- To Power On:** Press the power button on the front panel.
- To Power Off:** Use the operating system's shutdown function (e.g., Start Menu > Power > Shut down in Windows). Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when

necessary).

5.2. Network Connectivity

- **Wired Connection:** Connect an Ethernet cable to the RJ45 LAN port on the rear panel.
- **Wireless Connection:** The Mini PC supports WiFi. Access your operating system's network settings to connect to a wireless network.

5.3. Dual Display Setup

Connect two monitors to the two HDMI ports on the rear panel. Your operating system will automatically detect both displays. You can configure display settings (e.g., extend, duplicate) through your OS display settings.

6. MAINTENANCE

6.1. Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Avoid using liquid cleaners or solvents. Ensure ventilation openings are free from dust to maintain optimal cooling.

6.2. Storage Expansion

The KAMRUI N100 Mini PC allows for storage expansion:

- **M.2 SSD:** The existing M.2 2280 SSD slot supports M.2 PCIe 3.0 NVMe SSDs and SATA SSDs up to 2TB.
- **2.5-inch SSD/HDD:** An additional 2.5-inch SATA SSD slot is available for further storage expansion up to 2TB.

For storage upgrades, it is recommended to consult a qualified technician or refer to detailed upgrade guides to avoid damaging the device.

Free Up Desk Space

Compact Design, Boost Your Workspace!



An internal view of the KAMRUI N100 Mini PC, highlighting the M.2 2280 SSD slot and the 2.5-inch SATA SSD bay for storage expansion.

7. TROUBLESHOOTING

If you encounter issues with your Mini PC, refer to the following common problems and solutions:

Problem	Possible Solution
System won't boot	Check power connection, update BIOS, ensure SSD is properly seated.

Problem	Possible Solution
No power	Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Test the outlet with another device.
No display on monitor	Check HDMI cable connections at both ends. Ensure the monitor is powered on and set to the correct input source. Try a different HDMI port or cable.
No internet connection	For wired connection, check Ethernet cable. For wireless, ensure Wi-Fi is enabled in the OS settings and you are connected to the correct network with the correct password. Restart your router.
System is slow or unresponsive	Close unnecessary applications. Check for background processes consuming resources. Ensure adequate ventilation to prevent overheating. Restart the Mini PC.

8. SPECIFICATIONS

Feature	Detail
Processor	Intel Processor N100 (4 cores/4 threads, 0.8GHz base, up to 3.4GHz)
Graphics	Intel UHD Graphics (Max Dynamic Frequency 750MHz)
RAM	12GB LPDDR5 4800MHz
Storage	256GB M.2 2280 SSD (Supports M.2 PCIe 3.0 NVMe/SATA SSDs up to 2TB)
Expandable Storage	1x 2.5-inch SATA SSD slot (up to 2TB)
Display Output	2x HDMI 2.0 (Supports Dual 4K/60Hz)
USB Ports	2x USB 3.2 Type-A, 2x USB 2.0 Type-A
Network	1000M Ethernet Port, WiFi 5
Bluetooth	Bluetooth 4.2
Audio	3.5mm Audio Jack
Operating System	OS (Pre-installed, specific version may vary)
Dimensions	5.04 x 5.04 x 2.03 inches
Weight	1.76 pounds

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The KAMRUI N100 Mini PC typically comes with a 12-month warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

9.2. Customer Support

For technical assistance, warranty inquiries, or any other support needs, please contact KAMRUI customer service:

Email: support@kamrui.com

Please provide your product model (AK1PLUS) and a detailed description of your issue when contacting support to facilitate a quicker resolution.

Related Documents - AK1PLUS

	<p><u>KAMRUI E2 Mini PC User Manual and Specifications</u></p> <p>Official user manual for the KAMRUI E2 Mini PC, providing detailed information on setup, operation, and specifications. Includes troubleshooting and support.</p>
	<p><u>AK2 Plus N100 Mini PC Case: 3D Printable Replacement with 120mm Fan Option</u></p> <p>A 3D printable replacement case for AK2 Plus Intel N100 Mini PCs (Firebat, Kamrui, NiPoGi). Features reduced size, improved cooling, and an optional 120mm fan version. Includes design files and assembly guidance.</p>
	<p><u>KAMRUI E2 Mini PC User Manual and Specifications</u></p> <p>Official user manual for the KAMRUI E2 Mini PC, providing detailed information on setup, operation, and specifications. Includes troubleshooting and support.</p>
	<p><u>USFF/NUC/Mini PCs for Batocera Compatibility Guide</u></p> <p>This guide details the compatibility of various Ultra Small Form-Factor (USFF), Next Unit Computers (NUCs), and other mini PCs with the Batocera retro gaming operating system. It includes tested models, performance notes, required accessories, and links to manufacturer pages.</p>